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     ^   will find the tagged items

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~~ Patent Literature: Inventor search

File 347:JAPIO Dec 1976-2008/Aug(Updated 081208)
          (c) 2008 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-200849
          (c) 2008 European Patent Office
File 349:PCT FULLTEXT 1979-2008/UB=20081204|UT=20081127
          (c) 2008 WIPO/Thomson
File 350:Derwent WPIX 1963-2008/UD=200879
          (c) 2008 Thomson Reuters

Set	Items	Description
S1	17	AU=SCHERZER, H?
S2	5	S1 AND ((STORED( )VALUE OR SMART( )TRIP OR SMARTTRIP OR PREP-AID OR PRE( )PAID OR DEPOSIT OR DEBIT OR CLOSED( )LOOP OR SMART-)(3N)(CARD OR CARDS OR DEVICE OR DEVICES) OR ELECTRONIC( )(PUR-SE OR PURSES) OR DATA( )(CARRIER OR CARRIERS))
S3	4	S2 AND IC=(G06F OR G06Q)

^ 3/3/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2008 Thomson Reuters. All rts. reserv.

0012487031 - Drawing available
WPI ACC NO: 2002-434197/200246
XRPX Acc No: N2002-341710
 Electronic   purse   data   carrier   **e.g.** smart   card   **for monetary
transactions, includes memory for storing payment unit which has unique ID,
and age information evaluable for delimiting usage of payment unit**
Patent Assignee: IBM DEUT GMBH (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: SCHERZER H
Patent Family (7 patents, 96 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20020038288	A1	20020328	US 2001997543	A	20011129	200246	B
WO 2002047040	A2	20020613	WO 2001EP12471	A	20011027	200246	E
AU 200224806	A	20020618	AU 200224806	A	20011027	200262	E
EP 1354302	A2	20031022	EP 2001994625	A	20011027	200370	E
			WO 2001EP12471	A	20011027		
CN 1478259	A	20040225	CN 2001819586	A	20011027	200436	E
JP 2004526226	W	20040826	WO 2001EP12471	A	20011027	200456	E
			JP 2002548688	A	20011027		
CN 1224947	C	20051026	CN 2001819586	A	20011027	200650	E

Priority Applications (no., kind, date): EP 2000127046 A 20001209

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020038288	A1	EN	12	3	
WO 2002047040	A2	EN			

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY
    BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
    IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LV MA MD MG MK MN MW MX MZ NO
    NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH
    GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200224806	A	EN			Based on OPI patent WO 2002047040
EP 1354302	A2	EN			PCT Application WO 2001EP12471
					Based on OPI patent WO 2002047040

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR
    IE IT LI LT LU LV MC MK NL PT RO SE SI TR
JP 2004526226   W   JA   52   PCT Application   WO 2001EP12471
                                     Based on OPI patent   WO 2002047040

~~   Non-Patent Literature: Inventor search

File   2:INSPEC 1898-2008/Nov W3
          (c) 2008 Institution of Electrical Engineers
File   9:Business & Industry(R) Jul/1994-2008/Dec 11
          (c) 2008 Gale/Cengage
File   15:ABI/Inform(R) 1971-2008/Dec 11
          (c) 2008 ProQuest Info&Learning
File 610:Business Wire 1999-2008/Dec 12
          (c) 2008 Business Wire.
File 613:PR Newswire 1999-2008/Dec 12
          (c) 2008 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2008/Dec 12
          (c) 2008 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2008/Dec 08
          (c) 2008 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
          (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc
File   16:Gale Group PROMT(R) 1990-2008/Dec 01
          (c) 2008 Gale/Cengage
File 148:Gale Group Trade & Industry DB 1976-2008/Dec 08
          (c) 2008 Gale/Cengage
File 160:Gale Group PROMT(R) 1972-1989
          (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2008/Nov 26
          (c) 2008 Gale/Cengage
File 621:Gale Group New Prod.Annou.(R) 1985-2008/Nov 14
          (c) 2008 Gale/Cengage
File 636:Gale Group Newsletter DB(TM) 1987-2008/Dec 01
          (c) 2008 Gale/Cengage
File   20:Dialog Global Reporter 1997-2008/Dec 12
          (c) 2008 Dialog
File   35:Dissertation Abs Online 1861-2008/Feb
          (c) 2008 ProQuest Info&Learning
File   65:Inside Conferences 1993-2008/Dec 12
          (c) 2008 BLDSC all rts. reserv.
File   99:Wilson Appl. Sci & Tech Abs 1983-2008/Oct
          (c) 2008 The HW Wilson Co.
File 256:TecInfoSource 82-2008/Jul
          (c) 2008 Info.Sources Inc
File 474:New York Times Abs 1969-2008/Dec 12
          (c) 2008 The New York Times
File 475:Wall Street Journal Abs 1973-2008/Dec 12
          (c) 2008 The New York Times
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
          (c) 2002 Gale/Cengage

Set   Items   Description
S1   8   AU=(SCHERZER, H? OR SCHERZER H? OR SCHERZER(2N)H?) OR BY=S-
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S2   5   S1 AND ((STORED()VALUE OR SMART()TRIP OR SMARTTRIP OR PREP-
                 AID OR PRE()PAID OR DEPOSIT OR DEBIT OR CLOSED()LOOP OR SMART-
)(3N)(CARD OR CARDS OR DEVICE OR DEVICES) OR ELECTRONIC()(PUR-
                 SE OR PURSES) OR DATA()(CARRIER OR CARRIERS))
S3   1   S2 NOT PY>2000

~~   Non-Patent Literature: Full Text
      Dialog files: 9,15,16,20,148,160,275,610,613,621,624,634,636,810,813

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File    9:Business & Industry(R)  Jul/1994-2008/Dec 11
          (c) 2008 Gale/Cengage
File   15:ABI/Inform(R)  1971-2008/Dec 11
          (c) 2008 ProQuest Info&Learning
File   16:Gale Group PROMT(R)  1990-2008/Dec 01
          (c) 2008 Gale/Cengage
File   20:Dialog Global Reporter 1997-2008/Dec 12
          (c) 2008 Dialog
File  148:Gale Group Trade & Industry DB 1976-2008/Dec 08
          (c) 2008 Gale/Cengage
File  160:Gale Group PROMT(R)  1972-1989
          (c) 1999 The Gale Group
File  275:Gale Group Computer DB(TM) 1983-2008/Nov 26
          (c) 2008 Gale/Cengage
File  610:Business Wire 1999-2008/Dec 12
          (c) 2008 Business Wire.
File  613:PR Newswire 1999-2008/Dec 12
          (c) 2008 PR Newswire Association Inc
File  621:Gale Group New Prod.Annou.(R) 1985-2008/Nov 14
          (c) 2008 Gale/Cengage
File  624:McGraw-Hill Publications 1985-2008/Dec 12
          (c) 2008 McGraw-Hill Co. Inc
File  634:San Jose Mercury  Jun 1985-2008/Dec 08
          (c) 2008 San Jose Mercury News
File  636:Gale Group Newsletter DB(TM) 1987-2008/Dec 01
          (c) 2008 Gale/Cengage
File  810:Business Wire 1986-1999/Feb 28
          (c) 1999 Business Wire
File  813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc

Set     Items    Description
S1      592279   (STORED()VALUE OR SMART()TRIP OR SMARTTRIP OR PREPAID OR P-
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                 RD OR CARDS OR DEVICE OR DEVICES) OR ELECTRONIC()(PURSE OR PU-
                 RSES) OR DATA()(CARRIER OR CARRIERS)
S2      374780   TRANSACTION?? OR TRANSACTING OR PURCHAS??? OR TRADE? ? OR -
                 TRADING OR EXCHANG???
S3      331825   PAYMENT? ? OR CHARGE? ? OR TRANSFER?? OR TRANSFERR??? OR D-
                 EPOSIT??? OR WITHDRAW???
S4      359473   IDENTIFICATION OR ID OR IDS OR IDENTIT???? OR IDENTIFIE? ?
                 OR SPECIFY??? OR SPECIFIE? ? OR DESIGNAT??? OR INDICAT??? OR -
                 TAG OR TAGS OR TAGG??? OR TOKEN? ? OR KEY OR KEYS OR NUMBER OR
                 NUMBERS OR CODE OR CODES OR CODED OR CODING
S5       26598   (AGE OR OLD OR DATE OR DATED OR TIME OR TIMED OR TIMING OR
                 LIFE OR CYCLE OR CYCLIC OR VINTAGE)(3N)(DATA OR CONTENT OR IN-
                 FORMATION OR RECORD OR RECORDS)
S6      195603   EVALUABLE OR EVALUAT??? OR DETERMIN??? OR APPRAIS??? OR AS-
                 SESS??? OR ASSESSMENT OR ASCERTAIN??? OR EXTRACT??? OR ESTABL-
                 ISH??? OR CRITIQ??? OR DECID??? OR JUDG??? OR WEIGHT??? OR QU-
                 ANTIF????
S7      103435   S1(12N)S2
S8       47924   S3(12N)S4
S9        1561   S5(30N)S6
S10         80   S7 AND S8 AND S9
S11         32   S10 NOT PY>2000
S12         20   RD (unique items)


~~  Non-Patent Literature: Non-Full Text
    Dialog files: 2,35,65,99,256,474,475,583

File    2:INSPEC 1898-2008/Nov W3
          (c) 2008 Institution of Electrical Engineers
File   35:Dissertation Abs Online 1861-2008/Feb
          (c) 2008 ProQuest Info&Learning
File   65:Inside Conferences 1993-2008/Dec 12
          (c) 2008 BLDSC all rts. reserv.
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Set	Items	Description
S1	18620	(STORED( )VALUE OR SMART( )TRIP OR SMARTTRIP OR PREPAID OR P-RE( )PAID OR DEPOSIT OR DEBIT OR CLOSED( )LOOP OR SMART)(3N)(CARD OR CARDS OR DEVICE OR DEVICES) OR ELECTRONIC( )(PURSE OR PURSES) OR DATA( )(CARRIER OR CARRIERS)
S2	3718	TRANSACTION?? OR TRANSACTING OR PURCHAS??? OR TRADE? ? OR TRADING OR EXCHANG???
S3	4275	PAYMENT? ? OR CHARGE? ? OR TRANSFER?? OR TRANSFERR??? OR DEPOSIT??? OR WITHDRAW???
S4	5399	IDENTIFICATION OR ID OR IDS OR IDENTIT???? OR IDENTIFIE? ? OR SPECIFY??? OR SPECIFIE? ? OR DESIGNAT??? OR INDICAT??? OR TAG OR TAGS OR TAGG??? OR TOKEN? ? OR KEY OR KEYS OR NUMBER OR NUMBERS OR CODE OR CODES OR CODED OR CODING
S5	141	(AGE OR OLD OR DATE OR DATED OR TIME OR TIMED OR TIMING OR LIFE OR CYCLE OR CYCLIC OR VINTAGE)(3N)(DATA OR CONTENT OR INFORMATION OR RECORD OR RECORDS)
S6	6	S1 AND S2 AND S3 AND S4 AND S5
S7	2	S6 NOT PY>2000

^ 7/3,K/2   (Item 2 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2008 Institution of Electrical Engineers. All rts. reserv.

04753227   INSPEC Abstract Number: C90071771
    Title: Secure off-line electronic fund transfer **between nontrusting parties**
    Author(s): Even, S.
    Author Affiliation: Dept. of Comput. Sci., Technion, Israel Inst. of Technol., Haifa, Israel
    Conference Title: Smart Card 2000: The Future of IC Cards. Proceedings of the IFIP WG 11.6 International Conference   p.57-66
    Editor(s): Chaum, D.; Schaumuller-Bichl, I.
    Publisher: North-Holland, Amsterdam, Netherlands
    Publication Date: 1989 Country of Publication: Netherlands   xi+218 pp.
    ISBN: 0 444 70545 7
    Conference Sponsor: IFIP
    Conference Date: 19-20 Oct. 1987   Conference Location: Laxenburg, Austria
    Language: English
    Subfile: C

    Title: Secure off-line electronic fund transfer **between nontrusting parties**
    ...Abstract: wallets can communicate via infra-red light signals. The wallets store unforgeable (electronic) money and **payment** can be made, in seconds, from one wallet to another (or to a point of...

... by connecting it to a bank terminal or through a telephone. During the update, the **transactions** stored in the wallet are **transferred** to the bank, the wallet is loaded with a new sum of money, the_time (including date), invalidation **date** and cryptographic **data**. The owner of the wallet is the only person who can use it since he...

... PIN). In addition to paying and receiving, the owner can review the balance and past **transactions** performed since the last update. A cryptographic protocol is used to prevent forgery of money...

... The protocol was proved to be free of error and secure. It uses a

public- **key** signature cryptosystem which allows a relatively fast
authentication of signatures.
   ...Descriptors: **smart cards**
   ...Identifiers: electronic fund **transfer** ; ...

... **transactions** ; ...

...public- **key** signature cryptosystem

~~ Patent Literature:
   Dialog files: 347,348,349,350

File 347:JAPIO Dec 1976-2008/Aug(Updated 081208)
         (c) 2008 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-200849
         (c) 2008 European Patent Office
File 349:PCT FULLTEXT 1979-2008/UB=20081204|UT=20081127
         (c) 2008 WIPO/Thomson
File 350:Derwent WPIX 1963-2008/UD=200879
         (c) 2008 Thomson Reuters

Set   Items   Description
S1   78774   (STORED( )VALUE OR SMART( )TRIP OR SMARTTRIP OR PREPAID OR P-
                  RE( )PAID OR DEPOSIT OR DEBIT OR CLOSED( )LOOP OR SMART)(3N)(CA-
                  RD OR CARDS OR DEVICE OR DEVICES) OR ELECTRONIC( )(PURSE OR PU-
                  RSES) OR DATA( )(CARRIER OR CARRIERS)
S2   29989   TRANSACTION?? OR TRANSACTING OR PURCHAS??? OR TRADE? ? OR -
                  TRADING OR EXCHANG???
S3   41975   PAYMENT? ? OR CHARGE? ? OR TRANSFER?? OR TRANSFERR??? OR D-
                  EPOSIT??? OR WITHDRAW???
S4   58351   IDENTIFICATION OR ID OR IDS OR IDENTIT???? OR IDENTIFIE? ?
                  OR SPECIFY??? OR SPECIFIE? ? OR DESIGNAT??? OR INDICAT??? OR -
                  TAG OR TAGS OR TAGG??? OR TOKEN? ? OR KEY OR KEYS OR NUMBER OR
                  NUMBERS OR CODE OR CODES OR CODED OR CODING
S5   16045   (AGE OR OLD OR DATE OR DATED OR TIME OR TIMED OR TIMING OR
                  LIFE OR CYCLE OR CYCLIC OR VINTAGE)(3N)(DATA OR CONTENT OR IN-
                  FORMATION OR RECORD OR RECORDS)
S6   43614   EVALUABLE OR EVALUAT??? OR DETERMIN??? OR APPRAIS??? OR AS-
                  SESS??? OR ASSESSMENT OR ASCERTAIN??? OR EXTRACT??? OR ESTABL-
                  ISH??? OR CRITIQ??? OR DECID??? OR JUDG??? OR WEIGHT??? OR QU-
                  ANTIF????
S7   9881   S1(12N)S2
S8   16783   S3(12N)S4
S9   3202   S5(20N)S6
S10   4   S7(20N)S8(20N)S9

^ 10/3,K/3   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2008 WIPO/Thomson. All rts. reserv.

00912866   **Image available**
AGING OF ELECTRONIC PAYMENT UNITS
CLASSEMENT CHRONOLOGIQUE D'UNITES DE PAIEMENT ELECTRONIQUE
Patent Applicant/Assignee:
  INTERNATIONAL BUSINESS MACHINES CORPORATION, New Orchard Road, Armonk, NY
    10504, US, US (Residence), US (Nationality)
  IBM DEUTSCHLAND GMBH, Pascalstrasse 100, 70569 Stuttgart, DE, DE
    (Residence), DE (Nationality), (Designated only for: LU)
Inventor(s):
  SCHERZER Helmut, Pfalzhaldenweg 6/1, 72070 Tubingen, DE,
Legal Representative:
  TEUFEL Fritz (agent), IBM Deutschland GmbH, Intellectual Property,
    Pascalstrasse 100, 70548 Stuttgart, DE,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200247040 A2-A3 20020613 (WO 0247040)
  Application: WO 2001EP12471 20011027 (PCT/WO EP0112471)
  Priority Application: EP 2000127046 20001209
Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
   AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
   EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
   LS LT LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL
   TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
   (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7246

Fulltext Availability:
  Detailed Description
  Claims

English Abstract
  The present invention relates to an **electronic purse data carrier** for performing monetary **transactions** and a method for managing electronic payments with such a carrier. The purse stores one or more payment units each having a respective monetary value (12), whereby each of said **payment** units has a respective unique **payment** unit-**ID** (10) and comprises an **age information** (14,16) **evaluable** for delimiting the use of it. In particular said inforamtion defines a dynamically changing age...

Claim
  1 An **electronic purse data carrier** (27,40) for performing monetary **transactions** comprising a storage means (29,44) for storing (350) one or more payment units each having a respective monetary value (12), characterized byeach of said payment units comprising an **age information** (14,16) **evaluable** (335) for delimiting the use of the payment unit, andeach of said **payment** units (PU) having a respective unique **payment** unit-**ID** (10).

  2 The carrier according to the preceding claim, in which said age information reflects...

^ 10/3,K/4   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2008 Thomson Reuters. All rts. reserv.

0012487031 - Drawing available
WPI ACC NO: 2002-434197/200246
XRPX Acc No: N2002-341710
Electronic purse data carrier e.g. smart card **for monetary transactions**, **includes memory for storing** payment **unit which has unique** ID, **and** age information evaluable **for delimiting usage of** payment **unit**
Patent Assignee: IBM DEUT GMBH (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: SCHERZER H
Patent Family (7 patents, 96 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20020038288	A1	20020328	US 2001997543	A	20011129	200246	B
WO 2002047040	A2	20020613	WO 2001EP12471	A	20011027	200246	E
AU 200224806	A	20020618	AU 200224806	A	20011027	200262	E
EP 1354302	A2	20031022	EP 2001994625	A	20011027	200370	E
			WO 2001EP12471	A	20011027		
CN 1478259	A	20040225	CN 2001819586	A	20011027	200436	E
JP 2004526226	W	20040826	WO 2001EP12471	A	20011027	200456	E
			JP 2002548688	A	20011027		
CN 1224947	C	20051026	CN 2001819586	A	20011027	200650	E

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020038288	A1	EN	12	3	
WO 2002047040	A2	EN			

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Number	Kind	Lan	Pg	Dwg	Filing Notes	
AU 200224806	A	EN			Based on OPI patent	WO 2002047040
EP 1354302	A2	EN			PCT Application	WO 2001EP12471
					Based on OPI patent	WO 2002047040

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

Number	Kind	Lan	Pg	Dwg	Filing Notes	
JP 2004526226	W	JA	52		PCT Application	WO 2001EP12471
					Based on OPI patent	WO 2002047040

Electronic purse data carrier e.g. smart card **for monetary** transactions **, includes memory for storing** payment **unit which has unique ID, and** age information evaluable **for delimiting usage of** payment **unit**

Original Publication Data by Authority

Argentina

Assignee name & address:
Original Abstracts:
The present invention relates to an **electronic** purse data carrier for performing **monetary transactions** and a method **for** managing electronic payments with such a carrier. The purse stores one or more payment units each having a respective monetary value (12), whereby each of said **payment** units has a **respective** unique **payment** unit-**ID** (10) **and** comprises **an age information** (14,16) **evaluable for** delimiting the **use** of it. In particular said inforamtion defines a dynamically changing age level. This can be...

...The present invention relates to an **electronic** purse data carrier for performing monetary transactions and a method for managing electronic payments with...
...The purse stores one or more payment units each having a respective monetary value, whereby **each** of said **payment** units has a respective unique **payment** unit-**ID and** comprises an **age information evaluable for** delimiting **the** use of it. **In particular said information** defines a dynamically changing **age** level. This can **be** used to force purse owners to return each electronic monetary unit back to the issuing...

...The present invention relates to an **electronic** purse data carrier for performing monetary transactions and a method for managing electronic payments with such a carrier. The purse **stores** one or more payment units each having a respective monetary value (12), whereby each of said **payment units** has a respective unique **payment** unit-**ID** (10) and comprises an **age information** (14,16) **evaluable** for delimiting **the** use **of** it. In particular said **inforamtion defines** a dynamically **changing age** level. This can be used to force purse owners to return each electronic monetary unit...
Claims:
1. An **electronic** purse data carrier for performing monetary **transactions**, comprising a storage **means** for storing one or more payment units each having a respective monetary value, each of said payment units comprising an **age information evaluable** for **delimiting the use** of the payment unit, and each **of** said **payment** units having a **respective** unique **payment** unit-**ID.** >